

ABSTRACT

A shear wall panel for a building has a rectangular frame of vertical and horizontal members. Inside of the rectangular frame, at least four diagonal members are joined at their ends to create a multi-segmented assembly having at least three vertices and first and second ends and possibly forming a polygon, one of the at least three vertices secured to each of the vertical and an upper horizontal members, the first and second ends secured to a lower horizontal member. The members are preferably of wood and connected together with toothed plates. The panel is shear connected to a foundation or laterally stabilized wall or floor below the shear wall panel, possibly by a bolt between the foundation or laterally stabilized wall or floor below the shear wall panel and the intersections between the vertical members and the diagonal members. Upper strap connectors attach the upper horizontal member to a roof, floor or wall of the building. The upper strap connectors comprises metal straps, a first portion of which have teeth bent out of the metal strap, a second portion of which have holes for nailing through the metal strap into the roof, floor or wall of the building.